

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Chris Walling

GENERAL INFORMATION:

Name:	The Freeman Corporation
Address:	P.O. Box 96, 415 Magnolia St. Winchester, KY 40392-0096
Date application received:	12/8/2008
SIC Code/SIC description:	2435, Hardwood Veneer and Plywood
Source ID:	21-049-00004
Agency Interest:	811
Activity:	APE20080001
Permit:	V-08-047

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
<input type="checkbox"/> Administrative	<input checked="" type="checkbox"/> Title V
<input type="checkbox"/> Minor	<input type="checkbox"/> Synthetic minor
<input type="checkbox"/> Significant	<input checked="" type="checkbox"/> Operating
<input checked="" type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> Non-Attainment	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> PSD	<input type="checkbox"/> CAM	
<input type="checkbox"/> Netted out of PSD/NSR		
<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)		

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	90.55	167.89
PM ₁₀	79.78	161.16
SO ₂	2.36	8.72
NO _x	20.75	80.93
CO	39.52	173.22
VOC	12.88	10.39
Formaldehyde	----	0.13
Source wide HAPs	----	2.80

SOURCE DESCRIPTION:

On December 8, 2008, the source applied to the Division for a Title V Renewal Permit for the operation of a facility in Winchester, Kentucky for the manufacturing of hardwood veneer. Additional information was received on January 5, 2009. The application was complete on January 21, 2009.

The veneer manufacturing process consists of receiving and storing hardwood logs, debarking the logs, soaking the logs in water, sawing the logs to length to fit in slicing machines, slicing the wood into thin veneer strips, drying the thin veneer strips, and trimming and joining them. Drying heat is provided by boilers. Two natural gas boilers are included on the permit, but currently the only boilers used are those that burn wood waste, either from on-site or purchased from other sources.

The Division has recently required stack testing on the wood-fired boilers at the facility due to NOV's regarding opacity violations. Stack test data was incorporated into this renewal permit as emission factors. Stack testing is also required in this renewal permit for all wood boilers by the start of the fourth year of the permit or within five years from the previous stack test, whichever comes first.

The source has previously requested an operating limitation of 8400 hours per year in order to avoid PSD. However, due to the installation of four dust-collection cyclones in recent years, and due to emission factors resulting from the recent stack testing, this operating limitation is no longer necessary.

In the permitting process, the Division investigated the insignificant status of the veneer dryers. Data was discovered that is used by the North Carolina Department of Environment and Natural Resources to evaluate veneer drying for the purpose of Air Quality permitting. When conversions were made to correct for differences in the thickness of the veneer produced at the

source to the thickness of veneer used in the NCDENR data, the dryers were determined to be insignificant.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

None

OPERATIONAL FLEXIBILITY:

None